

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087138.D
 Acq On : 20 Jun 2025 14:48
 Operator : JC\MD
 Sample : VN0620MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:06:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	157684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	276593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	97419	46.144	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.280%		
35) Dibromofluoromethane	8.171	113	88968	54.277	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.560%		
50) Toluene-d8	10.565	98	343777	52.979	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.960%		
62) 4-Bromofluorobenzene	12.847	95	122657	50.877	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	31222	19.859	ug/l	99
3) Chloromethane	2.401	50	33279	16.392	ug/l	99
4) Vinyl Chloride	2.554	62	43027	20.545	ug/l	100
5) Bromomethane	3.001	94	24709	21.083	ug/l	95
6) Chloroethane	3.159	64	25441	18.806	ug/l	94
7) Trichlorofluoromethane	3.530	101	49764	18.187	ug/l	97
8) Diethyl Ether	3.983	74	23946	20.086	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.401	101	35481	20.639	ug/l	99
10) Methyl Iodide	4.618	142	22700	10.186	ug/l #	96
11) Tert butyl alcohol	5.530	59	43413	75.783	ug/l	99
12) 1,1-Dichloroethene	4.371	96	36142	20.593	ug/l	95
13) Acrolein	4.206	56	20508	113.098	ug/l	97
14) Allyl chloride	5.053	41	51049	17.539	ug/l	96
15) Acrylonitrile	5.736	53	119401	89.174	ug/l	100
16) Acetone	4.448	43	88730	79.252	ug/l	99
17) Carbon Disulfide	4.736	76	100527	20.707	ug/l	96
18) Methyl Acetate	5.048	43	51748	15.861	ug/l	94
19) Methyl tert-butyl Ether	5.812	73	122752	19.317	ug/l	99
20) Methylene Chloride	5.300	84	40366	19.258	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	38358	19.644	ug/l	93
22) Diisopropyl ether	6.689	45	107809	17.571	ug/l	98
23) Vinyl Acetate	6.618	43	481515	92.888	ug/l	99
24) 1,1-Dichloroethane	6.583	63	70183	19.877	ug/l	99
25) 2-Butanone	7.489	43	131081	72.028	ug/l	98
26) 2,2-Dichloropropane	7.500	77	52481	19.108	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	42331	18.127	ug/l	98
28) Bromochloromethane	7.824	49	30092	17.334	ug/l	95
29) Tetrahydrofuran	7.847	42	88659	74.785	ug/l	96
30) Chloroform	7.971	83	62338	17.679	ug/l	97
31) Cyclohexane	8.265	56	57067	16.666	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	56031	18.683	ug/l	95
36) 1,1-Dichloropropene	8.377	75	46242	18.932	ug/l	98
37) Ethyl Acetate	7.565	43	52272	16.811	ug/l	96
38) Carbon Tetrachloride	8.365	117	46082	19.217	ug/l	99
39) Methylcyclohexane	9.600	83	52917	15.813	ug/l	98
40) Benzene	8.612	78	150830	18.884	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	27760	15.897	ug/l	95
42) 1,2-Dichloroethane	8.671	62	44728	18.463	ug/l	100
43) Isopropyl Acetate	8.688	43	78108	15.651	ug/l	96
44) Trichloroethene	9.353	130	37089	19.584	ug/l	98
45) 1,2-Dichloropropane	9.624	63	35297	18.165	ug/l	100
46) Dibromomethane	9.712	93	24035	18.622	ug/l	98
47) Bromodichloromethane	9.888	83	52466	19.757	ug/l	99
48) Methyl methacrylate	9.683	41	35273	15.357	ug/l	94
49) 1,4-Dioxane	9.694	88	12050	288.372	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	256020	85.218	ug/l	98
52) Toluene	10.630	92	96538	19.778	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	50673	17.065	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	57203	18.004	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	36763	19.574	ug/l	97
56) Ethyl methacrylate	10.882	69	53259	17.804	ug/l	95
57) 1,3-Dichloropropane	11.165	76	64005	19.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	164903	92.421	ug/l	99
59) 2-Hexanone	11.206	43	138913	71.783	ug/l	92
60) Dibromochloromethane	11.359	129	39062	19.962	ug/l	99
61) 1,2-Dibromoethane	11.465	107	37827	19.649	ug/l	99
64) Tetrachloroethene	11.100	164	27137	16.389	ug/l	98
65) Chlorobenzene	11.888	112	102726	17.802	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	29389	15.844	ug/l	97
67) Ethyl Benzene	11.959	91	154262	15.520	ug/l	99
68) m/p-Xylenes	12.071	106	129805	34.115	ug/l	98
69) o-Xylene	12.394	106	65487	17.971	ug/l	94
70) Styrene	12.412	104	111151	17.825	ug/l	98
71) Bromoform	12.576	173	25400	18.481	ug/l #	100
73) Isopropylbenzene	12.694	105	165177	16.567	ug/l	99
74) N-amyl acetate	12.541	43	56328m	16.167	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	59046	17.481	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	55372m	17.021	ug/l	
77) Bromobenzene	12.976	156	41227	18.030	ug/l	97
78) n-propylbenzene	13.035	91	202880	16.744	ug/l	100
79) 2-Chlorotoluene	13.123	91	122858	16.907	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	142152	17.269	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	21196	14.998	ug/l	96
82) 4-Chlorotoluene	13.218	91	120652	16.410	ug/l	99
83) tert-Butylbenzene	13.435	119	117298	15.567	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	138439	16.771	ug/l	99
85) sec-Butylbenzene	13.612	105	168796	15.425	ug/l	99
86) p-Isopropyltoluene	13.723	119	141027	15.591	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	82382	18.312	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	83902	18.293	ug/l	99
89) n-Butylbenzene	14.053	91	129215	14.748	ug/l	98
90) Hexachloroethane	14.329	117	26223	17.103	ug/l	93
91) 1,2-Dichlorobenzene	14.100	146	79370	18.364	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13277	16.436	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	42757	15.492	ug/l	96
94) Hexachlorobutadiene	15.494	225	12637	12.290	ug/l	95
95) Naphthalene	15.635	128	163050	15.872	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	41187	15.020	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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